

PEMDAS with nested parenthesis

Grade 5 Order of Operations Worksheet

Solve the following.

1) $72 \div (22 - 19)^2 =$ _____

2) $(5^2 - 3^2) - (5 - 3)^2 =$ _____

3) $5^2 - 3^2 - 5 - 3^2 =$ _____

4) $5^2 - [(3^2 - 5) - 3]^2 =$ _____

5) $2 \times \{6 + [7 \times (12 - 8)]\} - 32 =$ _____

6) $7 \times 5 + (10^2 - 2 \times 8) =$ _____

7) $3 \times \{45 - [9 \times (21 - 11 - 8)^2]\} =$ _____

8) $80 - [2 \times (21 + 10)] - (38 - 3) \div 7 =$ _____

9) $\{3 \times [(9 - 3)^2 - (21 - 19) \times 4]\} \div 2 =$ _____

10) $\{6 \times [27 - (12 - 8)^2]\} \div 2 =$ _____

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Solve the following.

1) $72 \div (22 - 19)^2 = 8$

2) $(5^2 - 3^2) - (5 - 3)^2 = 12$

3) $5^2 - 3^2 - 5 - 3^2 = 2$

4) $5^2 - [(3^2 - 5) - 3]^2 = 24$

5) $2 \times \{6 + [7 \times (12 - 8)]\} - 32 = 36$

6) $7 \times 5 + (10^2 - 2 \times 8) = 119$

7) $3 \times \{45 - [9 \times (21 - 11 - 8)^2]\} = 27$

8) $80 - [2 \times (21 + 10)] - (38 - 3) \div 7 = 13$

9) $\{3 \times [(9 - 3)^2 - (21 - 19) \times 4]\} \div 2 = 42$

10) $\{6 \times [27 - (12 - 8)^2]\} \div 2 = 33$